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54 **Process for the introduction of expressible genes into plant-cell genomes and agrobacterium strains carrying hybrid ti plasmid vectors useful for this process.**

57 A recombinant plant DNA genome is described which is free of oncogenic internal T-DNA regions of the wild-type Ti plasmid which contains an integrated gene of interest (5) foreign to said plant DNA which is obtainable by infecting a plant cell with an Agrobacterium harboring a hybrid Ti plasmid vector. Furthermore, a plant cell containing such a recombinant DNA genome and plants consisting at least partially of these plant cells are described.

EP 0 290 799 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	EMBO JOURNAL, vol. 1, no. 1, 1982, pages 147-152, IRL Press Ltd, Oxford, GB; J. LEEMANS et al.: "Genetic identification of functions of TL-DNA transcripts in octopine crown galls" * Page 151, left-hand column, lines 26-48 * ---	1,3,5-8	C 12 N 15/00 A 01 H 1/00 C 12 N 5/00
A	MOLECULAR BIOLOGY OF PLANT TUMORS, 1982, pages 537-545, Academic Press, Inc.; J. LEEMANS et al.: "Ti plasmids and directed genetic engineering" * Whole document * ---	1-8	
A	JOURNAL OF MOLECULAR AND APPLIED GENETICS, vol. 1, 1981, pages 149-164, Raven Press, New York, US; J. LEEMANS et al.: "Site-specific mutagenesis of Agrobacterium Ti plasmids and transfer of genes to plant cells" * Whole document * ---	1-8	
A	NATURE, vol. 300, 23rd/30th December 1982, pages 752-765, Macmillan Journals Ltd; H. DE GREVE et al.: "Regeneration of normal and fertile plants that express octopine synthase, from tobacco crown galls after deletion of tumour-controlling functions" * Whole document particularly; page 754, right-hand column, paragraph 3 * --- -/-	1-8	TECHNICAL FIELDS SEARCHED (Int. Cl.4) C 12 N A 01 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-08-1990	Examiner MADDOX A.D.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
P,X	THE EMBO JOURNAL, vol. 2, no. 12, 1983, pages 2143-2150; P. ZAMBRYSKI et al.: "Ti plasmid vector for the introduction of DNA into plant cells without alteration of their normal regeneration capacity" * Whole document, particular page 2149, left-hand column, paragraph 1 * -----	1-3,5-8	
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